# Approved For Release 2011/01/28: CIA-RDP72B00464R000400090027-4

# DEPARTMENT OF THE AIR FORCE HEADQUARTERS UNITED STATES AIR FORCE WASHINGTON 25, D.C.

REPLY TO ATTN OF:

OSA-4300-65 #1723

SUBJECT:

REPLY TO:

Audit Liaison Office P. O. Box 8155

S. W. Station Washington, D. C.

12 November 1965

TO:

SUBJECT: Evaluation Review of ECP-2 Under

Contract AF 33(657)-12846

Airborne Instruments Laboratory

Deer Park, New York

: Contracting Officer

: AIL Proposal ECP #1940-2, dated 22 October 1965

1. A review has been made, to the extent deemed necessary of the contractor's cost proposal for multiplixer switches. This review consisted of an examination of the underlying data in support of proposed labor rates, overhead rates, material pricing, travel and other direct costs. The direct labor hours, material requirements, the necessity for the proposed travel and overtime hours, are referred to for evaluation by a technical representative.

2. A summary of the contractor's proposal by element of cost and the auditor's recommendations are as follows:

	Per	Auditor's	
	Contractor's	Recommended	Ref.
	Proposal	Reduction	Notes
Direct Labor - Engineering	\$ 43,873	-0-	a
Direct Labor - Manufacturing	17,882	-0-	a
Engineering Burden 104%	45,628	878	р
Manufacturing Burden 72%	13,233	536	Ъ
Raw Materials and Purchased Parts	24,295	2,209	С
Travel and Subsistance	2,737	-0-	đ.
Overtime Premium	1,918	-0-	e
Packaging and Shipping	140	<del>-</del> 0-	f
Subtotal	\$1 <u>49,706</u>	3,623	т.
G & A 7.5%	11,228	418	ъ
Total Cost	\$160,934	\$4.041	D
Fee Requested 8%	12,875		_
Total Proposal	\$173 <b>,</b> 809		g

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### Ref. Notes:

### a. Direct Labor:

For the purpose of this report only, the auditor accepts the hourly labor rates used to extend the estimated labor hours. A comparison was made of the proposed composite rates used in each labor class with the actual incurred to date rates of the 1941/1942 programs. The subject effort will be performed by the same personnel. This comparison ascertained the reasonableness of the proposed hourly rates. Attached as Exhibit A, is the contractor's breakdown of the direct labor hours by class of labor and effort, which is offered as a guide for evaluating the estimated labor hours by a qualified tachnical representative.

#### b. Burdens and G & A:

The auditor questions the contractor's proposed burdens and G & A rates as excessive. Based on an analysis of the current year book rates (9 months ended 30 September 1965), the auditor is of the opinion, that the contractor may experience a lesser rate than proposed and therefore recommends the following:

	Engineering Burden	Manufacturing Burden	<u>G&amp;A</u>
Rates Per Contractor's Proposal Rates Recommended by the Auditor Per cent of Rate Questioned	104% <u>102%</u> 2%	74% <u>71</u> % <u>3%</u>	7.5% <u>7.4</u> % <u>.1</u> %
Burden Base Per Proposal Per cent of Rate Questioned Costs Questioned (Base x Rate Reduction)	\$43,873 27 \$ 878	\$17,882 3% \$ 536	\$149,706 .1% \$ 150
G&A Base Costs Questioned G&A Questioned @7.4%			\$ 3,623 268
Total G&A Questioned (\$150 + \$268)			\$ 418

#### c. Raw and Purchased Materials:

The contractor's proposed purchase parts were verified to vendor's quotes and prior buys of like items. The extentions and additions of the bill of materials were verified. No exceptions were noted, but the applicability of the proposed purchased parts to the procured equipment and the frequency of use, should be evaluated by a technically qualified representative.

The costs questioned of \$2,209 represents the auditor's exception to a 10% shrinkage factor applied to the total estimated costs of raw and purchased materials (non-recurring costs excluded.) The contractor could not support this factor with historical data or adequate back-up and is therefore questioned by the auditor.

# d. Travel and Subsistance:

The contractor proposed two 2-day trips to the West Coast at \$381 each and two 3-day trips at \$416 each for the purpose of visiting the associate contractor. In addition, three 2-day trips are included for visitations to a West Coast vendor at a cost of \$381 each. The costs represent round-trip air fare of \$305, subsistance of \$35 per day and \$6 for travel to the airport. The auditor considers these costs acceptable, but recommends for further consideration of a technical representative the necessity for the number of trips.

#### e. Overtime Premium:

The auditor recommends the overtime premium for the further consideration of a qualified technical representative. The contractor's estimate is based on application of a 10% factor to the total estimated hours for labor classes V, VI, VII, VIII, and IX, and priced at  $\frac{1}{2}$  of the hourly rates for these classes. The basis for a 10% factor was not supported by the contractor. The contractor's computation of overtime premium is as follows:

Labor Class	Hourly Rate	Total Estimated Hours Per Proposal	Overtime Premium Hours 10% of Estimated Hours	Overtime Premium Rate ½ of Hourly Rate	Total Overtime Premium Per Proposal
V VII VIII XX	\$4.50 3.70 3.27 2.80 2.33	\$2,710 2,590 2,860 2,390 280	\$270 260 290 240 20	\$2.25 1.85 1.62 1.40 1.16	\$ 608 481 470 336 23
TOTAL	Overtime	Premium per p	roposal		<b>\$1,</b> 918

## f. Packaging and Shipping:

Considered acceptable for the purpose of this report.

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# g. Fee Requested:

The contractor has requested a fee based on 8% of the total.

WILLIAM F. EDWARDS
Auditor General Representative (APL)

# SCHEDULE OF BERECT LABOR HOURS

Engineering, Drafting & Publications - 100 hrs.

Adm. A S O N D J F M

.25 .5 .5 .5 .5 .25  $3.0 \text{ MM } \times 180 = 540$ 

Buy Parts, Sched, Type Proc. & AB

Eng.

Design EE 7 MM X 200 = 1400

ME 3 MM X 200 ≈ 600

Test Proc. .5 MM X 200 100

Handbook .5 MM X 200 100

Ploto Test-Unit

Bds. .5 MM 100

B.B.-Test 1 MM 200

Prod. Test-Bas. 45 ea.

Units) X 10 450

2950

Tech.

Design & Make
BB Assy. 7 MM X 180 1260

Test Proc. .5 MM X 180 90

.P.oto Test .5 MM X 180 90

BB Test 2 MM X 180 360

Prod Test 45 ca. X 10 450

2250

Draft

PC-BS 6 BS X 180 ea. 1080

Assy. Dwg. 120

ECNS 300

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Secretary 10 Hrs x 8 Months Approved For Release 2011/01/28: CIA-RDP72B00464R000400090027-4

Management Eng.

Pack and Ship